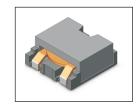
SMT Power Inductor

HMU1056H Type

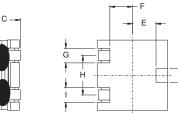
Features

- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

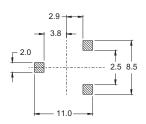


Mechanical Dimension:

В — С



D



RECOMMENDED PAD PATTERNS

UNIT: mm/inch A = 10.40 / 0.409 Max. B = 10.40 / 0.409 Max. C = 5.60 / 0.220 Max. D = 1.40 / 0.055 E = 3.80 / 0.150 F = 2.90 / 0.114 G = 2.60 / 0.102 H = 5.50 / 0.217 I = 2.60 / 0.102

Electrical Characteristics: At 25°C: 100KHz, 1V

PART NO.	L ¹ (uH)	DCR (m Ω) MAX	Irated ² (Adc)
HMU1056H-R15	0.15	1.7	19.0
HMU1056H-0R3	0.30	2.4	17.7
HMU1056H-0R5	0.50	4.1	13.0
HMU1056H-0R8	0.80	5.3	11.2
HMU1056H-1R2	1.20	7.5	9.0
HMU1056H-1R5	1.50	10.5	7.8
HMU1056H-2R0	2.00	12.4	7.4
HMU1056H-2R5	2.50	18.0	6.2
HMU1056H-3R0	3.00	23.8	4.9

- 1. Tolerance of inductance : $0.15\sim0.30\text{uH} \pm 30\%$ $0.50\sim3.00\text{uH} \pm 20\%$
- IRATED is the DC current which cause the inductance drop less than 35% (20% typical) of its nominal inductance without current and the surface temperature of the part increase less than 45°C.
- 3. Operating temperature: -20°C to 105°C (including self-temperature rise).

